

ABSTRACT

5 Polarized glass articles having a wavelength range that is broadened for high contrast-ratio applications. A method that imparts to a glass article a high contrast ratio of at least 40dB for use as dichroic glass polarizers over a wavelength range of 880 nm to 1,690 nm while keeping a high transmission value. The method comprises the step of heating the glass article at a temperature ranging from 400 to 450°C in a reducing atmosphere for a period of time ranging from 12 to 30 hours. Preferably, the reducing atmosphere is hydrogen at atmospheric pressure.